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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-043001	Application No. 10/066,056
Information Disclosure Statement by Applicant (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Koji Hayashi et al.	
		Filing Date January 31, 2002	Group Art Unit 2652

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,198,707	03/06/01	Yamamoto			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
P	AB	1-312736	12/18/1989	Japan			Partial	
	AC	5-282696	10/29/93	Japan			Partial	
	AD							
	AE							
	AF							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AG	

Examiner Signature 	Date Considered 10/26/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,693,857	02/17/2004	Willis			
	AB	6,594,213	07/15/2003	Hayashi			
	AC	6,538,962	03/25/2003	Hyun			
	AD	6,272,084	08/07/2001	Maeda			
	AE	6,219,309	04/17/2001	Kuroda et al.			
	AF	5,831,955	11/03/1998	Arataki et al.			
	AG	5,680,379	10/21/1997	Ishida et al.			
	AH	5,586,093	12/17/1996	Honda et al.			

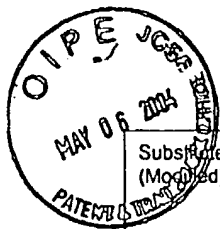
### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
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	AI	0 507 571	10/07/1992	Europe				

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AJ	

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Sheet 1 of 1Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
10449-043001Application No.  
10/066,056**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Koji Hayashi et al.Filing Date  
January 31, 2002Group Art Unit  
2652**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	<del>AA</del>	<del>5,010,534</del>	<del>04/23/91</del>	<del>Enari et al.</del>			
	<del>AB</del>	<del>5,477,516</del>	<del>12/19/95</del>	<del>Takezawa</del>			
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**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
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	AL							
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

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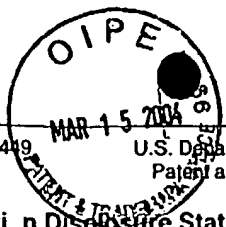
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Substitute Disclosure Form (PTO-1449)

Sheet 1 of 1

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	Attorney's Docket No. <b>10449-043001</b>	Application No. <b>10/066,056</b>
	Applicant <b>Koji Hayashi et al.</b>	
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,317,553	05/31/94	Onga et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
8	AB	4-103079	04/06/92	Japan (corresponds to U.S. 5,317,553, enclosed)				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
8	AC	Abstract for Japanese Patent No. JP1312736, Publication Date December 18, 1989, Title: Optical Disk Device and Optical Disk
	AD	Abstract for Japanese Patent No. JP3260958, Publication Date: November 20, 1991, Title: Optical Disk Device
	AE	Abstract for Japanese Patent No. JP6076401, Publication Date: March 18, 1994, Title: Magneto-Optical Recording Method for Magneto-Optical Disk of Large Heat Time Constant, Recording Device and Magneto-Optical Disk
	AF	Abstract for Japanese Patent No. JP6162511, Publication Date: June 10, 1994, Title: Recording Method for Optical Disk Employing Draw Type Disk Recording Device
8	AG	Abstract for Japanese Patent No. JP10241165, Publication Date: September 11, 1998, Title: Pulse Generating Circuit and Optical Disc Driver

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<b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary) (37 CFR 1.98(b))		Applicant Koji Hayashi et al.	
		Filing Date January 31, 2002	Group Art Unit 2652

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,584,053	06/24/03	Teukihashi			
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	AF						

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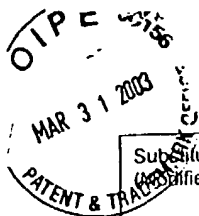
**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AG	408147879A	06/07/96	Japan				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AH	Japan registered publication no. 2842262, equivalent to above named document AG
	AI	
	AJ	
	AK	

Examiner Signature <i>P. J. [Signature]</i>	Date Considered 10/26/04
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Sheet 1 of 1

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,305,298	04/19/1994	Tsuneshi Yokota			
	AB	5,910,935	06/08/1999	Hirohito Takagi et al.			
	AC	6,208,599	03/27/2001	Misao Fukuda			
	AD	6,438,083	08/20/2002	Jacobus P.C. Kroon			
	AE	6,487,616	11/26/2002	Koji Hayashi			
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	AK						

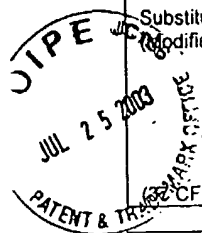
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
P	AL	11-259982	24.09.1999	Japan				
	AM	0 974 966	26.01.2000	EPO				
	AN	10 63433	1998	Japan				
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
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(Use several sheets if necessary)

37 CFR §1.98(b))

Applicant  
Koji Hayashi et al.Filing Date  
January 31, 2002Group Art Unit  
2652**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,884,731	Jul. 4, 2000	Uchida et al.			
	AB						
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**Foreign Patent Documents or Published Foreign Patent Applications**

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							Yes	No
	AL							
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	AO							
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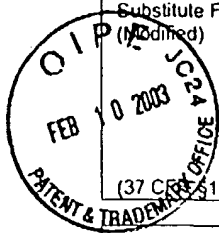
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Patent and Trademark Office

Attorney's Docket No.

10449-043001

Application No.

10/066,056

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(Use several sheets if necessary)

(37 CFR 1.98(b))

Applicant

Koji Hayashi et al.

Filing Date

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Group Art Unit

2652

**U.S. Patent Documents**

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**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	1998-028125	15.07.98	Korea				
	AM	1999-024893	06.04.99	Korea				
	AN	63-52393	05.03.88	Japan				
	AO	H11-66745	09.03.99	Japan				
	AP							

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